

5 What is claimed is:

1. A spinal implant, comprising:

at least two lateral members, said lateral members each being shaped to engage apophyseal seal rings of opposing vertebrae when said lateral members are in an extended configuration; and

10 a expansion mechanism coupled to said lateral members to extend said lateral members away from one another into said extended configuration at which said lateral members engage the apophyseal rings of the opposing vertebrae.

2. The implant of claim 1, wherein said expansion mechanism includes a
15 shaft having threaded portions on opposite ends that threadedly engages said lateral members.

3. The implant of claim 2, wherein said shaft includes a gear positioned between said threaded portions for rotating said shaft.

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4. The implant of claim 2, wherein said threaded portions are oppositely threaded and have equal thread pitch.

5. The implant of claim 1, further comprising a lock mechanism operable
25 to lock said lateral members in said extended configuration.

6. The implant of claim 5, wherein said lock mechanism included lock cavities constructed and arranged to lock said lateral members in said extended configuration.

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7. The implant of claim 5, wherein said lock mechanism includes a leaf spring.

8. The implant of claim 1, wherein at least one of said lateral members
10 has a guide rail.

9. The implant of claim 8, wherein said guide rail has a dovetail cross-sectional shape.

10. The implant of claim 8, wherein said guide rail has an outer cutting
15 edge constructed and arranged to cut the vertebrae during extension of said wings.

11. The implant of claim 1, further comprising a cage in which said lateral members are received.

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12. A method, comprising:
inserting a spinal implant in a compact configuration between opposing vertebrae that have apophyseal rings, wherein the implant has an expansion mechanism coupled between at least two wings; and

25 expanding the wings from one another with the expansion mechanism to an expanded configuration at which the wings engage the apophyseal rings of the vertebrae.

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13. The method of claim 12, wherein:
the expansion member includes a threaded shaft; and
said expanding includes rotating the threaded shaft.

10 14. The method of claim 12, further comprising locking the wings in the
expanded configuration.

15 15. The method of claim 14, wherein:
the expansion member includes a shaft with a gear;
the implant includes a leaf spring; and
said locking includes engaging the leaf spring with the gear.

20 16. The method of claim 14, wherein:
the expansion member includes a shaft;
the lateral members have lock cavities; and
said locking includes sliding the shaft into the lock cavities.

17. The method of claim 12, further comprising:
securing the spinal implant to a spinal inserter prior to said inserting.

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18. The method of claim 17, wherein said expanding includes expanding
the wings with the inserter.